

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

## NOTICE OF ALLOWABILITY

THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 2700



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

LM41/0005

SILVERMAN MORRILL MACPHERSON PAPPALIN  
& FRIEL  
25 MUNRO DRIVE SUITE 202  
SAN JOSE CA 95110

| APPLICATION NO.                      | FILING DATE | TOTAL CLAIMS | EXAMINER AND GROUP ART UNIT | DATE MAILED |
|--------------------------------------|-------------|--------------|-----------------------------|-------------|
| 08/062,176                           | 05/22/97    | 018          | HO, R 3771                  | 03/05/98    |
| First Named Applicant: DOKTOR, KAROL |             |              |                             |             |

TITLE OF INVENTION: DATA PROCESSING SYSTEM AND METHOD FOR MAINTAINING CARDINALITY IN A RELATIONAL DATABASE

| ATTY'S DOCKET NO. | CLASS-SUBCLASS | BATCH NO. | APPLN. TYPE | SMALL ENTITY | FEE DUE  | DATE DUE |
|-------------------|----------------|-----------|-------------|--------------|----------|----------|
| 2 M-1226-SOUS     | 707-004,000    | B31       | UTILITY     | YES          | \$660.00 | 06/05/98 |

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

Art Unit: 2771

## REASONS FOR ALLOWANCE

1. The following is an Examiner's Statement of Reasons for Allowance:

The prior art made of record, not teaching nor suggesting the various embodiments of the independent claims, does not warrant a rejection under 35 USC, Sections 102 or 103.

In reviewing the prior art approaches to retrieving a desired entity of a desired entity type from a relational database, the Examiner noted that in the claims of the present invention, the retrieving a specific relation instance record defining a relation of said provided relation type between said provided entity and said desired entity from a relation instance table and retrieving a desired entity type record containing said desired entity type from an entity definition table features are not disclosed, taught or suggested by any prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue

Art Unit: 2771

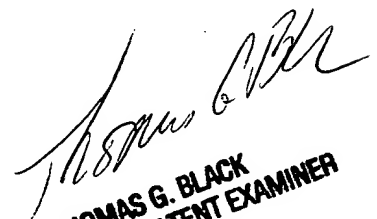
Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruay L. HO whose telephone number is (703) 305-3834. The examiner can normally be reached on Monday to Friday from 9 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black, can be reached on (703) 305-9707. The fax phone number for this Group is (703) 305-9731.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Ruay L. Ho  
February 19, 1998

  
**THOMAS G. BLACK**  
**SUPERVISORY PATENT EXAMINER**  
**GROUP 2700**